Rushil Shah

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Portfolio – https://rushilshah23.github.io

Technical Skills:

- ➔ **Languages:** JavaScript, TypeScript, Python
- ➔ **Databases:** SQL, Firebase, MongoDB
- ➔ **Frameworks:** Node JS, Express JS, React JS, Next JS, Flask, Flutter
- ➔ **Others:** Git, Web Sockets, Linux, Docker, RabbitMQ, Microsoft Azure

Qualifications:

- ➔ **B.E in Information Technology (Mumbai University) – 2022 – 8.93 CGPA**

Experience:

- ➔ **Datacurate Technologies, Mumbai - Associate Consultant (June 2022- Present):**

  1. **HDFC ERGO, Mumbai**
  - Developed and tested **Flask** app overseeing intelligent auto-correct functionalities, intricate quote calculations and quote extractor from diverse competitors computer-generated PDF to scanned copy of a policy.
  - Developed complex quick and full quote generation for different products which eliminated the manual 8-days long process to instantaneous with real time updates.
  - Proposed and developed migration of legacy HTML, CSS, JavaScript code to **Next JS** for the quote generation site frontend which made the web app more readable and maintainable.
  2. **Kotak Life Insurance, Mumbai**
  - Developed ETL pipeline in **SAS** for complex Data Marts used in analytical dashboards and modified the existing codebase which improved the efficiency by 30%.
  - Developed automated wrapper module responsible for the complete regular data loading with parallel processing which further reduced the data loading time by 50%.
  - Debugged the whole legacy DDS and fixed critical infrastructure bugs.

- ➔ **IAHV (Art of Living) - Flutter Developer Intern, Mumbai (August 2020-March 2021):**
  - Leaded the team and responsible for integrating, debugging the mobile app which served to be project management system for Watershed Management app developed using **Flutter** and **Firebase**. Modules Undertaken were: - Google Drive like Document Manager, Feedback System.

Personal Projects:

- ➔ **Multiplayer Tic Tac Toe Game:** **Next JS**, **Node JS** based game leveraging **microservice architecture**, employing **RabbitMQ** as a message broker. Utilized **Vanilla WebSocket** with heartbeat functionality, supported by three microservices and a proxy server. Integrated **MongoDB** for seamless data management secured with an advanced authentication microservice system.
- ➔ **AI Proctoring Examination System**: **React JS, Node JS, Firebase** based full-fledged CMS web application to **detect** various **malpractices** during examination using **TensorFlow**, manage exams, as per user role and mail results of exam to the students with secured **JWT** Authentication system and frontend powered by **Material UI** and state managed using **Redux.**

Achievements and Publications:

- ➔ Microsoft Azure AZ-900   (Microsoft)
- ➔ Winner at Mumbai Hackathon (2022)   (Zerodha/Frappe)
- ➔ Smart Home Automation System   (HBRP Publications)
- ➔ Attendance System using RFID Technology   (HBRP Publications)